

Appendix E, Table 3. Stream Data

Dane County Electric Reliability Initiative - North Madison to Huiskmap 138-kV Project

Dane County, Wisconsin

ROUTE / STREAM	STREAM WIDTH (ft) ¹	DEPTH TO WATER (ft) ²	DEPTH OF WATER (in) ³	STREAM BANK	HABITAT	OTHER COMMENTS
Preferred						
S-P1	4'	2'	3"	Slope ranges from approx. 2:1 to vertical; herbaceous vegetation	Adjacent wetland: reed canary grass monotype at road and wooded swamp approx. 10 yds from road. Stream bed is silty with few cobbles.	Culvert beneath road is approx. 10 feet wide. Water flows east.
S-P2	No defined bed / bank on east side of the road	No defined bed / bank on east side of the road	No defined bed / bank on east side of the road	No defined bed / bank on east side of the road	East side of the road: manicured lawn.	On the west side of the road there is a defined bed/bank, which is approx. 5 ft wide, 2 ft deep, and 4" of water, adjacent wetland is reed canary grass monotype. Two approx. 4' culverts lie beneath the road. Water flows west. The transmission line is proposed on the east side of the road.
S-P3	4'	1'	4"	Approx. 1:1 slope; herbaceous vegetation	Adjacent wetland: reed canary grass monotype. Stream bed is silty.	A farmed wetland is approx. 20 yds from culvert on east side of road. Two approx. 4' culverts lie beneath the road.
S-P4	6'	1 to 4'	2"	Slope is widely variable; herbaceous vegetation	Adjacent wetland: Degraded farmed wetland within proposed corridor. Stream bed is silty with high amounts of sedimentation.	Evidence of farmer incursion through drainage channel. Channel deepens close to wooded wetland west of proposed corridor. Water flows west.
S-P5	3 to 12'	2'	6"	Approx. 2:1 slope; herbaceous and woody vegetation	Adjacent wetland: shallow marsh / reed canary grass monotype. Stream bed is silty with sparse vegetation.	Culvert beneath road is approx. 6 feet wide. Water flows west and south.

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Alternate						
S-A1	6'	2'	6"	Approx. 2:1 slope; herbaceous vegetation	Adjacent wetland: degraded fresh wet meadow. Stream bed is silty.	Several pools of water exist in this location. At least 7 culverts were observed beneath the road. Data for the main stream channel is seen to the left. Water flows east.
Six Mile Creek	20 to 30'	2 to 6'	>12"	Slope is moderate to steep (widely variable). Herbaceous and woody vegetation.	Adjacent wetland: fresh wet meadow dominated by reed canary grass. Steep slope precludes adjacent wetland in some locations. Stream bed is silty with scattered rocks and boulders. Invasive species garlic mustard and Canada thistle are dominant in some locations.	Four stream crossings are anticipated on Six Mile Creek. Flow of water is generally south.
S-A2	4 to 14'	4'	2 to 12"	Slope is nearly vertical; herbaceous vegetation	Adjacent wetland: reed canary grass mixed sedge meadow. Stream bed is silty with scattered rocks.	Culvert beneath the railroad is approx. 4 feet wide. Stream is mostly 4' wide with a 14' wide pool near culvert outlet. Water flows west to Six Mile Creek.
S-A3	12'	3'	12"	Slope is nearly vertical; herbaceous vegetation	Adjacent wetland: wet meadow dominated by reed canary grass. Stream bed is silty. Approx. 6" of muck present on stream bed.	Culvert beneath the railroad is approx. 10 feet wide. Water flows west to Six Mile Creek.
S-A4	4'	2'	4"	Approx. 1:1 slope; herbaceous and woody vegetation	Adjacent wetland: wet meadow dominated by reed canary grass. Stream bed is silty. The invasive species honeysuckle and dame's rocket are present in this wetland.	Culvert beneath the railroad is approx. 4 feet wide. Water flows west.

¹ Width visually approximated from top of bank edge to top of bank edge.² Estimated to nearest foot from top of bank to water surface at time of field investigation.³ Estimated to nearest inch from water surface to stream bed at time of field investigation.**Docket No. 137-CE-139****APPENDIX E, TABLE 3****06/30/06 Application Addendum**